

Application No. 10/636,138

Attorney Docket No. CL-1049 US CNT

Amendments to the Claims

The "Listing of Claims" replaces all prior versions of the claims in the application.

Listing of Claims:

- 1-18. (Cancelled).
19. (Currently Amended) A method for making a multi-layer cathode backplate structure, comprising the steps of:
- providing a substrate;
 - forming a cathode electrode by depositing a layer of an electrical conductor onto the substrate;
 - selectively printing a layer of thick film dielectric material onto the cathode electrode;
 - drying the layer of thick film dielectric material;
 - selectively printing a layer of imaging paste onto the layer of dielectric material;
 - developing heating the layer of dielectric material to effect diffusion into which
of the imaging paste is diffused into the layer of dielectric material; to remove
removing unexposed portions of the dielectric material into which the imaging
paste has been diffused and to leave leaving exposed portions of the cathode electrode,
wherein a plurality of cathode electrodes separated by a dielectric material are formed;
 - firing the structure; and
 - depositing a field emitter material onto at least a portion of the plurality of cathode electrodes.
20. (Original) The method of Claim 19, wherein the step of selectively printing a layer of dielectric material comprises screen printing.
21. (Original) The method of Claim 19, wherein the step of selectively printing a layer of imaging paste comprises screen printing.
22. (Original) The method of Claim 19, wherein the step of developing is aqueous-based.
23. (Original) The method of Claim 23, wherein the field emitter material comprises a precursor field emitter material.
24. (Original) A display panel including a cathode backplate structure formed according to Claim 19.